

茜草科新植物*

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TAXA NOVA RUBIACEARUM

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Key words *Tarenna lanceolata*; *T. laticorymbosa*; *T. yunnanensis*; *T. wangii*; *T. polysperma*; *T. austrosinensis*; *T. sinica*; *new taxa*

关键词 广西乌口树; 宽序乌口树; 云南乌口树; 长叶乌口树; 多籽乌口树; 华南乌口树; 长梗乌口树; 新植物

1. 毛滇丁香 新变种

Luculia intermedia Hutch. var. *pubescens* W. C. Chen, var. nov. — *Luculia intermedia* auct. non Hutch.: How in Sunyatsenia 7(1—2): 28. 1948, pro parte.

A var. *intermedia* ramulis et pedunculis pubescentibus differt.

Yunnan: Shuangjiang, Taiping. alt. 1760 m, in silvis, 12 Sept. 1957, J. S. Xin 858 (Typus! SCBI), 854; inter Zhenyuan et Puer, Y. Tsiang 12649; Jingdong, M. K. Li 0460, 2497, 0677, 0919; Pingbian, H. T. Tsai 61688; Weishan, Y. Tsiang 12088; Lincang, T. T. Yu 17752; *ibid.* loc., T. P. Zhu 89; sine loc., T. N. Liou 22443, 23023. Guangxi: Napo C. C. Chang 12334.

本变种的小枝和总花梗有柔毛而和原变种不同。

云南: 双江, 太平乡, 海拔 1760 米, 林中, 1957 年 9 月 12 日, 辛景三 858 (模式, SCBI)、854; 镇沅-普洱, 蒋英 12649; 景东, 李鸣冈 0460、2497、0677、0919; 屏边, 蔡希陶 61688; 巍山, 蒋英 12088; 临沧, 俞德浚 17752; 同地, 朱太平 89; 地点不详, 刘慎谔 22443、23023。广西: 那坡, 张肇騫 12334。

2. 广西乌口树 新种 图 1

Tarenna lanceolata Chun et How, sp. nov.

Similis *T. pubinervi* Hutch., sed calycum lobis acicularibus, circ. 4 mm longis, hirsutis, seminibus 8—32 differt.

Frutex 0.5—3 m altus; ramulis juvenalibus puberulis; ramis vetustis glabris, saepe rubiginosis. Folia chartacea, lanceolata, 5—32.5 cm longa, 1—4.5 cm lata, apice longe acuminata, basi acuta vel cuneata, supra scabridiuscula, strigosa, infra pubescentia, utrinque costa

* 本文承罗献瑞同志审阅, 并提出宝贵意见, 谨致谢意。

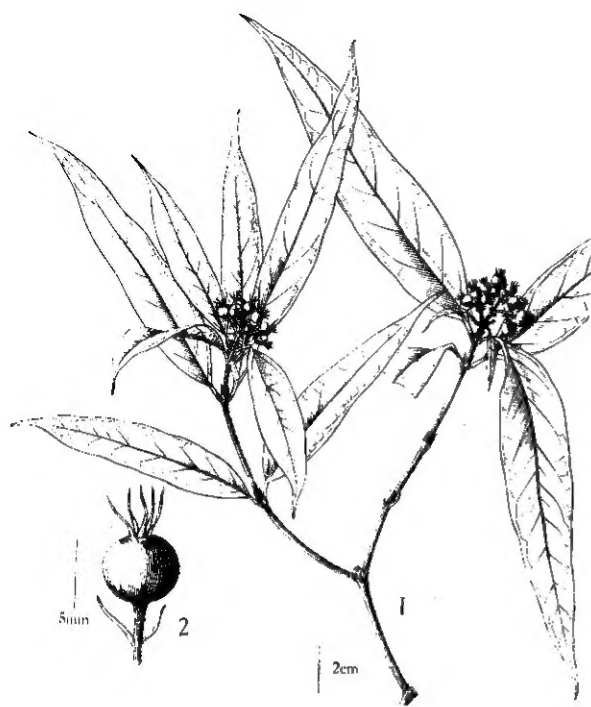


图1 广西乌口树 *Tarennia lanceolata* Chun et How 1. 果枝 fruiting branch; 2. 果, 示宿存的花萼和果柄, 小苞片 fruit, showing persistent calyx, pedicel and bracteoles.



图2 宽序乌口树 *T. lasicorymbosa* Chun et How 1. 花枝, 仅存花萼 flowering branch with only calices persistent; 2. 花萼, 示子房和花柄一部分 calyx, ovary and a part of pedicel; 3. 子房室, 示胚珠 ovary locule, showing ovules.

hirsuta; costa nervisque lateralibus infra elevatis, nervis lateralibus utrinsecus 7—10, arcuato-ascendentibus; petiolis 0.3—1.8 cm longis, hirsutis. Inflorescentia terminalis, brevis, circ. 2 cm longa, circ. 3 cm lata, hirsuta; flores ignoti. Fructus subglobosi, puberuli vel glabri, circ. 3—5 mm diam., calycum lobis saepe persistentibus acicularibus, circ. 4 mm longis, hirsutis coronati; semina 8—32.

Guangxi: Rongshui, Jiuwandashan, alt. 1100 m, in silvis, 27 Maj. 1957, T.C. Chen 415 (Typus, SCBI), 329; Rongshui, S. H. Chun 14333, 14575, 15027, 16141, 15276, 16789, 16937, 17017; Jinxiu, Y. K. Li 400454; Lingui, Z. Z. Chen 50843; Longsheng, Guangfulinqu Exped. 00764; ibid. loc., S. L. Yu et H. F. Tan 700602. Hunan: Dongkou, P. C. Tam 62990. Guizhou: Kaili, Guizhou Austr. Exped. 1349, 1675, 2172, 3913; Rongjiang, sine coll., 967.

本种与滇南乌口树 *Tarennia pubinervis* Hutch. 近似, 但本种的宿存花萼裂片针状, 长约4毫米, 有硬毛; 种子8—32颗易区别。

广西: 融水, 九万大山, 海拔1100米, 林中, 1957年5月27日, 陈德昭 415 (模式, SCBI)、329; 融水, 陈少卿 14333、14575、15027、16141、15276、16789、16937、17017; 金秀, 李荫昆 400454; 临桂, 陈照宙 50843; 龙胜, 广福林区调查队 00764; 同地, 余少林、覃灏富 700602。湖南: 洞口, 谭沛祥 62990。贵州: 凯里, 黔南队 1349、1675、2172、

3913; 榕江, 967 (采集人不详)。

3. 宽序乌口树 新种 图 2

Tarenna laticorymbosa Chun et How, sp. nov.

Proxima *T. baviensis* Pitard, quae ramulis foliisque subtus tomentosis, inflorescentia molli pubescenti, ovulis in quoque loculo 6 differt.

Frutex; ramulis ultimis compressis, glabris; cortice tenuissimo stramineo solubili. Folia membranacea, oblonga vel obovato-oblonga, 18.5—25 cm longa, 6—10 cm lata, apice acuminata vel rotundata simul mucronata, basi cuneata, in sicco griseo-nigrescentia, utrinque glabra; nervis lateralibus utrinsecus 8—13, intra marginem anastomosantibus, supra leviter impressis, subtus prominentibus; petiolis 2.5—3.5 cm longis, glabris; stipulis ovato-triangularibus, glabris. Inflorescentia terminalis, ampla, circ. 15 cm longa et lata, ramis ut ramuli, oppositis, late patentibus, subglabris vel minute puberulis, imis ad 10 cm longis, pedunculo circ. 1.5 cm longo; bracteolis minutissimis; pedicellis 3—8 mm longis, minute puberulis; calyce obconico, circ. 2 mm longo, pulvereopuberulo, obscure dentato, basi attenuato; corollae tubo anguste tubuloso, 6.5 mm longo, extus glabro, lobis 5, lineari-oblongis tubo paulo longioribus, 1.5 mm latis, apice rotundatis, extus glabris, intus prope basin pilosulis; antheris linearibus, circ. 8 mm longis; stylo gracili, circ. 18 mm longo, infra medium piloso; ovulis in quoque loculo 4. Fructus ignoti.

Yunnan: Hekou Xian, 19 Maj. 1953, G. Y. Zhao 46 (Typus! SCBI)

本种与 *Tarenna baviensis* Pitard 相近, 但后种的小枝和叶背面有绒毛, 花序有柔毛, 子房每室胚珠 6 颗而不同。

云南: 河口县, 1953 年 5 月 19 日, 赵冠英 46 (模式, SCBI)

4. 披针叶乌口树 改级和新改名 图 3

Tarenna lancilimba W. C. Chen, stat. et nom. nov. — *Tarenna attenuata* (Voigt) Hutch. var. *puberula* Chun & How ap. Ko in Flora Hainanica 3: 584. 1974, syn. nov.

因本种的胚珠数不同(见附图), 不能作 *Tarenna attenuata* (Voigt) Hutch. 的变种; 又因前人已用 *Tarenna puberula* Craib (Craib, Fl. Siam. Enum. 2: 94. 1932 et in Kew Bull. 279. 1932), 故作此处理。

Affinis *T. gracilipidi* (Hay.) Ohwi, quae foliis subtus inflorescentiaque calyceque pubescenti, ovulis in quoque loculo 5—6 differt; *T. attenuata* (Voigt) Hutch. differt corollae tubo lobis plus 2-plo brevior, ovulo in quoque loculo solitario.

Frutex vel arbor 2—10(—15) m alta: ramulis paulo compressis, glabris vel pulvereopuberulis, cortice tenuissimo brunneo solubili obtectis. Folia tenuiter coriacea, lanceolata, elliptica vel obovato-oblonga, 5—15 cm longa, 1.5—5 cm lata, apice acute acuminata, basi cuneata paulo decurrentia, in sicco pallido-brunneola, utrinque glabra; costa supra canaliculata subtus prominente, nervis lateralibus utrinsecus 4—6, gracilibus, vix conspicuis; petiolis 8—20 mm longis, glabris; stipulis triangularibus, circ. 3 mm longis, glabris, caducis. Inflorescentia terminalis, multiflora, trichotome ramosa, 4—9 cm longa et lata, ramulis pedicellis subglabris vel pulvereopuberulis; bracteis bracteolisque minutis, margine luteolis breviter laceratis, pedicellis 3—6 mm longis; calyce glabro vel puberulo circ. 2.5 mm longo, lobis 5, circ. 0.7 mm longis, ciliolatis; corollae tubo gracili, 5—7 mm longo, extus glabro, ore piloso, lobis 5 liguliformibus tubo paulo longioribus, apice obtusis, basi intus pilosis; antheris

linearibus, 7—10 mm longis; ovulis in quoque loculo 2; stylo gracili, 17—20 mm. longo, infra medium piloso. Baccae globosae, 5—6 mm diam., in sicco nigrae, 2—4-spermae.

本种与细梗乌口树 *Tarenna gracilipes* (Hay.) Ohwi 相似, 但后种的叶背面和花序、花萼均有柔毛, 子房每室胚珠 5—6 颗而不同; 和乌口树 *Tarenna attenuata* (Voigt) Hutch. 不同的是: 后种的花冠管比花冠裂片短 2 倍, 子房每室胚珠仅 1 颗。

广东: 东方县, 梁向日 65195 (模式, SCBI)。

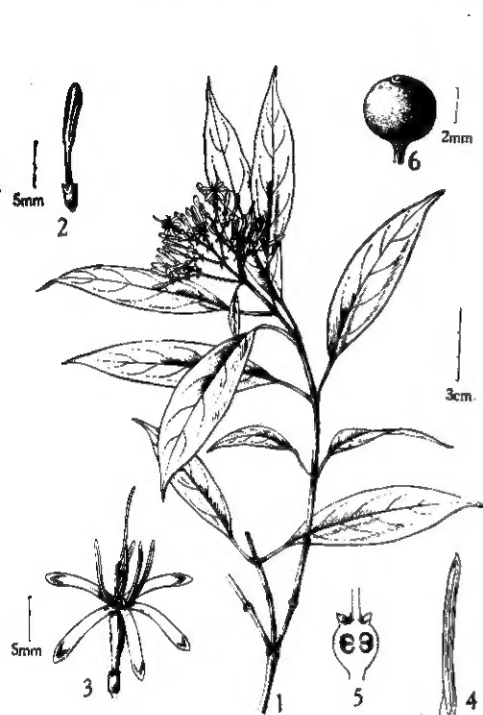


图3 披针叶乌口树 *T. lancilimba* W. C. Chen
1. 花枝 flower branch; 2. 花蕾 flower bud;
3. 花 flower; 4. 雄蕊 stamens; 5. 子房纵切,
示胚珠、部分花萼和柱头 vertical section of ovary,
showing ovules, a part of calyx and style;
6. 果 fruit.

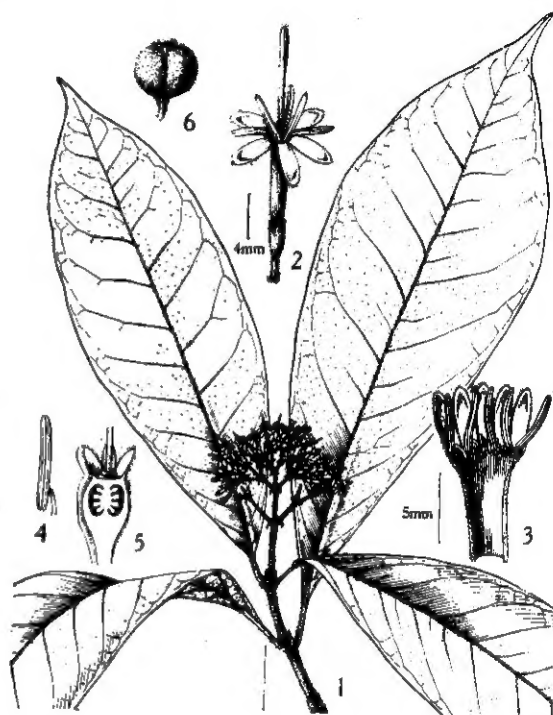


图4 云南乌口树 *T. yunnanensis* How 1. 花枝
flower branch; 2. 花 flower; 3. 花冠展开, 示雄
蕊 corolla opened up, showing stamens; 4. 雄
蕊 stamen; 5. 子房纵切, 示胚珠和部分花萼、花
柱 vertical section of ovary, showing ovules
and a part of calyx and style; 6. 果 fruit.

5. 云南乌口树 新种 图4

Tarenna yunnanensis How. sp. nov.

Similis *T. mollissimae* (Hook. and Arn.) Rob., sed foliis supra subglabris vel disperse hirsutulis, corollae fauce et stylo sparsim pubescenti differt.

Frutex vel arbor; ramulis dense brunneolo-villosis. Folia chartacea, elliptica, oblonga vel oblanceolato-oblonga, 11—32 cm longa, 3.5—12 cm lata, apice subito breviter acuminate, basi cuneata vel acuta, supra subglabra vel disperse hirsutula, ad costam nervosque laterales densius pilifera, subtus dense pubescentia; nervis lateralibus utrinsecus 8—12, subtus elevatis, arcuato-ascendentibus; petiolis 0.5—2.3 cm longis, dense brunneolo-villosis. Inflorescentia terminalis, 4—9 cm longa, 4—7 cm lata, dense brunneolo-villosa; pedicellis 2—3 mm longis; calycis tubo cupiformi 2—2.5 mm longo, lobis anguste triangularibus, circ. 1 mm

longis; corolla circ. 1.2 cm longa, fauce sparsim pubescenti, lobis oblongis tubo brevioribus; antheris linearibus, circ. 5 mm longis; stylo sparsim pubescenti, stigmatе exserto; ovulis in quoque loculo 3—5. Fructus subglobosus, brunneolo-villosus, circ. 5 mm diam.

Yunnan: Hekou, alt. 200 m, Maj. 1953, R. C. Dong 51 (Typus, SCBI), sine collector 160, 128, 171, G. Y. Zhao 19, 26, K. H. Cai 388; Jinping, Y. K. Wu and G. J. Hu 34.

本种与白花苦灯笼 *Tarennia mollissima* (Hook. & Arn.) Rob. 近似, 但本种的叶腹面近无毛或散生小硬毛, 花冠喉部和花柱均有疏短柔毛而不同。

云南: 河口, 海拔 200 米, 1953 年 5 月, 董荣灿 51 (模式, SCBI); 同地, 160、128、171 (采集人不详); 同地, 赵冠英 19、26; 同地, 蔡克华 388; 金平, 吴元坤、胡珪季 34。

6. 长叶乌口树 新种 图 5

Tarennia wangii Chun et How, sp. nov.

Ab affini *T. baviensis* Pitard, quae foliis subtus tomentosis, stipulis longioribus, inflorescentia latiore, ovulis in quoque loculo 6, fructibus minoribus 5—6 mm diam., 6—8-spermis diversa.

Frutex 2—5 m altus; ramulis in sicco compressis vel subtetragonis, cinereis, glabris.

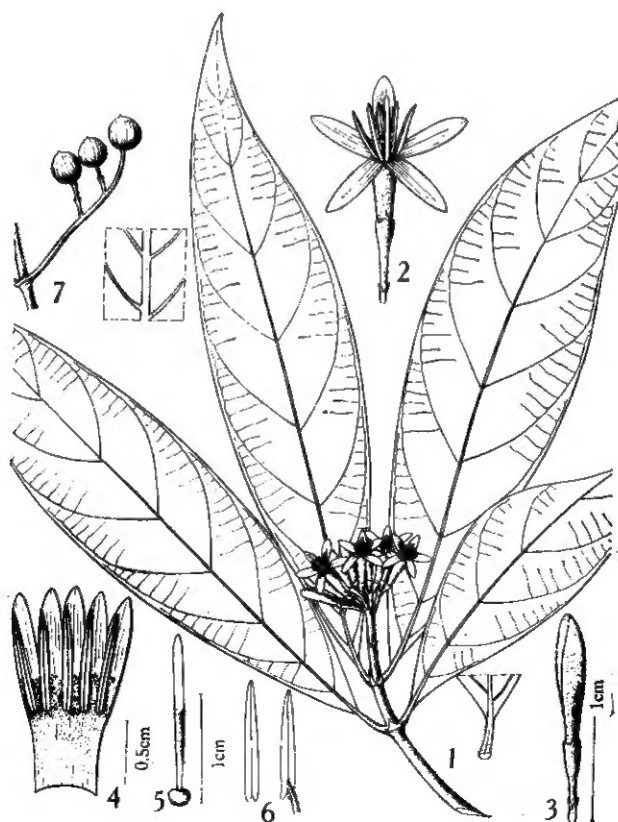


图 5 长叶乌口树 *T. wangii* Chun et How 1. 花枝 flower branch; 2. 花 flower; 3. 花蕾 flower bud; 4. 花冠展开示雄蕊 corolla opened up, showing stamens; 5. 雌蕊 pistil; 6. 雄蕊 stamen; 7. 果枝 fruit branch.

Folia chartacea vel membranacea, lanceolata vel lanceolato-oblonga, 12—29 cm longa, 4.5—10.5 cm lata, utrinque acute attenuata, in sicco brunneo-nigrescentia, supra glabra, subtus ad costam nervosque laterales appresse puberula; nervis lateralibus utrinsecus 9—11, supra paulo impressis, subtus prominentibus, intra marginem arcuato-anastomosantibus, venulis reticulatis laxis, utrinque subconspicuis; petiolis compressis, 1—3 cm longis, subglabris vel minute puberulis; stipulis ovato-triangularibus, 3—4 mm longis. Inflorescentia terminalis, circ. 5 cm longa et lata vel ultra, pedunculo compresso, appresse breviter pubescenti, communi 8—10 mm longo, secundario 10—15 mm longo, pedicellis 3—4 mm longis ut calyx puberulis; bracteolis minutis, deciduis; calyce obconico, circ. 2.5 mm longo, limbo fere truncato vel obscure dentato; corollae tubo circ. 5 mm longo, extus breviter pubescenti, intus villosa, lobis lineari-oblongis tubo paulo longioribus, extus fere glabris, intus basi pilosulis; antheris linearibus, 6—7 mm longis; stylo circ. 1.5 mm longo, infra medium villosa; ovulis in quoque loculo 4. Baccae globosae, 8—10 mm longae et latae, 2-spermae.

Yunnan: Menghai, alt. 980 m, in silvis, Jun. 1936, C. W. Wang 74541 (Typus, SCBI); Jinghong, Damenglong, Manbeng, C. W. Wang 77473.

本种与 *Tarennia baviensis* pitard 接近,但后种的叶背面有绒毛,托叶较长,花序较宽,子房每室胚珠 6 颗,果较小,直径 5—6 毫米,有 6—8 颗种子而不同。

云南:勐海,海拔 980 米,林中,1936 年 6 月,王启无 74541 (模式, SCBI);景洪,大勐笼、满蚌,王启无 77473。

7. 多籽乌口树 新种 图 6

Tarennia polysperma Chun et How, sp. nov.

Similis *T. austrosinensi* Chun et How, sed foliis coriaceis, calycis tubo glabro, ovulis in quoque loculo circ. 17, seminibus circ. 14—27 differt.

Frutex vel arbor, ad 14 m alta; ramulis paulo compressis, glaberrimis. Folia coriacea, oblongo-lanceolata vel elliptica, 5—10.5 cm longa, 1.5—3.8 cm lata, apice acute acuminata basi cuneata, in sicco fusco-olivacea, utrinque glaberrima; nervis lateralibus utrinsecus 7—9, gracilibus, utrinque prominulis, nervis tertiariis obscuris; petiolis 5—15 mm longis, glabris, supra planis, subtus convexis; stipulis triangulari-subulatis, circ. 4 mm longis, parte libera mox straminea decidua. Inflorescentia terminalis, trichotome ramosa, pauciflora (6—10-flora), circ. 3 cm longa, circ. 4 cm lata, fere glabra; pedunculo brevi, 5—10 mm longo; bracteis et bracteolis filiformibus, 1—2 mm longis, ciliolatis; flores albi, pedicellis 3.5—6.5 mm longis; calyce glabro, calycis tubo turbinato, circ. 2.5 mm longo, lobis late triangularibus, circ. 0.5 mm longis; corolla circ. 1.2 cm longa, extra glabra, fauce villosa, lobis ovatis, circ. 4.5 mm longis corollae tubo brevioribus; ovulis in quoque loculo circ. 17. Baccae globosae, circ. 7 mm diam., glabrae, polyspermae; seminibus circ. 14—27.

Guangdong: Conghua, Sanjiaoshan, 6 Apr. 1958, C. Wang 44712 (Typus, SCBI); ibid. loc., W. T. Tsang 20433, 24977, 25190; Zengcheng, Nankun Shan, W. T. Tsang 20365; Longmen, C. F. Wei 121976.

华南乌口树 *Tarennia austrosinensis* Chun et How 与本种相似,但本种的叶革质,萼管无毛,胚珠在每一子房室有约 17 颗,种子约 14—27 颗而不同。

广东:从化,三角山,1958 年 4 月 6 日,黄志 44712 (模式, SCBI); 同地,曾怀德 20433、24977、25190; 增城,南昆山,曾怀德 20365; 龙门,卫兆芬 121976。

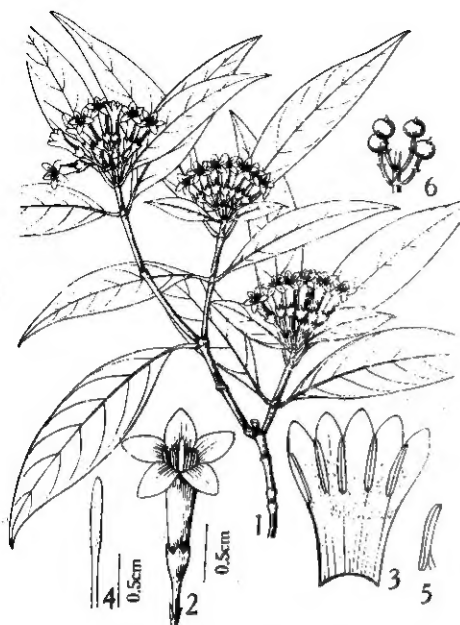


图6 多籽乌口树 *T. polysperma* Chun et How
1. 花枝 flower branch; 2. 花 flower; 3. 花冠展开
示雄蕊 corolla opened up, showing stamens; 4.
花柱和柱头 style and stigma; 5. 雄蕊 stamen;
6. 果枝 fruit branch.

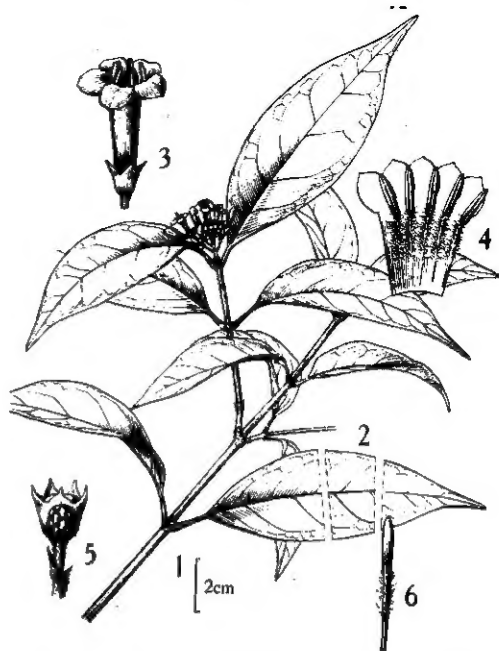


图7 华南乌口树 *T. austrosinensis* Chun et How 1.
花枝 flower branch; 2. 叶一部分, 示背面 a part of
leaf, showing lower surface; 3. 去雌蕊的花 flower.
with pistil removed; 4. 花冠展开, 示雄蕊 corolla
opened up, showing stamens; 5. 子房纵切, 示胚珠
vertical section of ovary, showing ovules; 6. 花柱
和柱头 style and stigma.

8. 华南乌口树 新种 图7

Tarennia austrosinensis Chun et How, sp. nov.

Proxima *T. acutisepalae* How, a qua ramulis ut stipulae glaberrimis, corolla brevior
circ. 11 mm longa, ovulis in quoque loculo 6—9 differt.

Frutex circ. 2 m altus; ramis ramulisque teretibus, glaberrimis. Folia chartacea vel membranacea, oblonga vel oblongo-lanceolata, 5—15 cm longa, 2—4.5 cm lata, apice longe acuminata, basi cuneata, utrinque glabra vel subtus sparsissime puberula; costa supra plana, subtus prominenti, nervis lateralibus utrinsecus 6—7, gracilibus, intra marginem anastomosantibus; petiolis 5—15 mm longis, glabris; stipulis ovato-acuminatis, 4—5 mm longis, glabris, mox stramineis demum deciduis. Inflorescentia terminalis cum corolla 3 cm longa, brevissime pedunculata, pauciflora, minute puberula, e cymis corymbosis disposita; bracteolis minutis, filiformibus, 1—2 mm longis, puberulis; pedicellis 3—5 mm longis, puberulis; calycis tubo 1.5—2 mm longo, sparse puberulo, lobis triangularibus, circ. 0.8 mm longis, acutiusculis, glabris; corollae tubo circ. 7 mm longo, extus glabro, intus villosa, ore barbato, lobis 5, ovatis, 3—4 mm longis, breviter acutis; antheris linearibus, circ. 3 mm longis; stylo clavellato, circ. 10 mm longo, ad medium piloso; ovulis in quoque loculo 6—9. Baccae globosae, 5—6 mm diam., seminibus 6—8.

Guangdong: Xinyi, 16 Apr. 1931, S. P. Ko 51340 (Typus, SCBI); ibid. loc., S. P. Ko 51446; ibid. loc., C. Wang 31126.

Guangxi: Jinxiu, Jinxiugongshe, Luoxiangshan, Q. H. Lü 4657.

本种近似尖萼乌口树 *Tarennia acutisepala* How, 不同的是本种的小枝、托叶均无毛, 花冠较短, 长约 11 毫米, 胚珠在每一子房室有 6—9 颗。

广东: 信宜, 1931 年 4 月 16 日, 高锡朋 51340 (模式); 同地, 高锡朋 51446; 同地, 黄志 31126。广西: 金秀县, 金秀公社, 罗香山, 吕清华 4657。

9. 长梗乌口树 新种 图 8

Tarennia sinica W. C. Chen, sp. nov.

Species affinis *T. attenuatae* (Voigt) Hutch., a qua foliis strigosis, inflorescentiis paucifloris, pedicellis 1.8—3 cm longis facile distinguitur.

Frutex circ. 1.5 m. altus; ramulis hispidis. Folia chartacea, anguste elliptica vel elliptico-lanceolata, 6—12 cm longa, 2—4 cm lata, apice acuminata, basi cuneata, in sicco nigro-brunnea, utrinque parce strigosa, ad costam nervosque densius pilifera; costa subtus elevata, nervis lateralibus utrinsecus 6—8, ascendentibus, subtus conspicuis; petiolis 0.5—1.5 cm longis, hispidis; stipulis subtriangularibus, circ. 2 mm longis, basi circ. 2.5 mm latis, stramineis, extus parce strigosis. Inflorescentia terminalis, circ. 5 cm longa, pauciflora; pedunculo 5—7 mm longo, hispido; bracteolis 2—3, lanceolatis, circ. 2 mm longis, hispidis; flores albi, pedicellis 1.8—3 cm longis, hispidis; calyce circ. 3.5 mm longo, hispido, lobis triangulatis, argutis, circ. 0.7 mm longis; corolla circ. 1.2 cm longa, extra hispida, inferne densius pilifera, fauce alba villosa, lobis lineari-lanceolatis tubo longioribus, sub anthesi reflexis; antheris



图 8 长梗乌口树 *T. sinica* W. C. Chen 1. 花枝 flower branch; 2. 花 flower; 3. 花蕾 flower bud; 4. 花冠展开, 示雄蕊 corolla opened up, showing stamens; 5. 花萼, 雌蕊和子房纵切, 示胚珠 calyx, pistil and vertical section of ovary, showing ovules; 6. 叶片的一部分 a part of leaf; 7. 托叶 stipule.

linearibus circ. 6 mm longis, filamentis brevibus; stigmatе longe exserto, ovulo in quoque loculo 1. Fructus non visus.

Guangxi: Jingxi, Nanpogongshe, Diding Caiyuchang, in declivibus silvis, 15 Jun. 1978, D. Fang and X. H. Lu 23657 (Typus, GXMI).

本种与乌口树 *Tarenna attenuata* (Voigt) Hutch. 近似, 但本种的叶有糙伏毛, 花序少花, 花梗长 1.8—3 厘米而容易区别。

广西: 靖西, 南坡公社, 底定采育场, 山坡林中, 1978 年 6 月 15 日, 方鼎、陆小鸿 23657 (模式, GXMI)。

10. 疏毛短萼齿木 新变种

***Brachytome hirtellata* Hu var. *glabrescens* W. C. Chen, var. nov.**

A var. *hirtellata* foliis supra laevibus, glabris vel glabriusculis, subtus hirtellis vel glabriusculis distinguenda.

Yunnan: Mengzhe, alt. 1100 m, in silvis, Jun. 1936, C. W. Wang 76919 (Typus, SCBI); Pingbian, H. T. Tasi 61218, 61277; sine loc., T. N. Liou 018711, 018805; sine loc., 1956, Yunnan Exped. 1270, 1470.

本变种的叶腹面不粗糙, 无毛或近无毛, 叶背面有微硬毛或近无毛而和原变种不同。

云南: 勐遮, 海拔 1100 米, 林中, 1936 年 6 月, 王启无 76919 (模式, SCBI); 屏边, 蔡希陶 61218、61277; 地点不详, 刘慎谔 018711、018805; 地点不详, 云南考察团 1270、1470。